

AACATTTACATACAGCCAGTGTAGATGACACATTGATTTAAAAAAATAGTGCGAGTGCTTTGA
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GAGAATAGACCAACGACCATGCAAGATGGCGGGTGACGCCTGCATACTGGTGACGGTGCTTCTC
ACCTTCGCAACATCAGTTTTTCGGGCAAGAAACAACATCGTCGAGATGTTACTACATGACTGACG
CTATTCGAGGGAACCGAAACCGGATGATTTGCCTGACTTAGAATGGACTGGTGGATGGACCGA
CTGGCCTTTGATCCCGGCTGAGCCAAGAGACGACGTGTGCATAAACGGCTGGTACCCACAACCTC
ACCAGCACTTCTCTCGGCACCATCATCATCCACATGGAAGAGGAGATCGAGGGAGATGTTGCTA
TCGCTAAACTTAACTATGATGGTTCTGGAACCCAGAAATTGTCCAGCCGATGGTTATAGGATC
TTCTAACCTGCTAAGTCCAGAGATCCGGAATGAAAACGGGGCGTGGTACCTTTATATAACCAAT
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CTCGTGCGGCACGAGTGAGTCTGTCCATCGAAAACATTGACGATAACGACCCTATCGTCAGGGT
GCTAGACGCTTGCCAAGTGCCGGAATTGGGGGAGCCTCGACTAACAGACTGCGTTTACCAAGTG
TCAGACGAAGATGGGAGGCTTAGTATCGAGCCCATGACATTCCGCCTCACATCAGACCGTGAAG
ACGTACAGATATTCTATGTGGAGCCAGCTCACATTACTGGTGATTGGTTCAACATGCAAATTAC
TATCGGTATCCTATCAGCGCTTAACTTCGAAAGCAACCCGCTGCACATCTTTCAAATCACTGCT
TTGGACTCCTGGCCCAACAACCATAACGGTGACGGTGATGGTGCAAGTCCAGAATGTGGAACACC
GACCGCCGCGATGGATGGAAATCTTCGCAGTCCAGCAGTTTGACGAGATGACGGAGCAGCAATT
CCAGGTGCGCGCCATCGACGGAGACACTGGCATCGGGAAAGCTATACACTATACCCTCGAGACA
GATGAGGAAGAAGATTTGTTCTTCATCGAAACACTTCCGGGCGGCCATGACGGAGCCATCTTCA
GCACTGCCATGATTGATGTGGATAGGCTCCGGCGAGATGTCTTCAGACTGTCCCTGGTGGCATA
CAAGTACGACAATGTGTCCTTCGCCACCCCGACACCCGTCGTGATCATAGTCAATGACATCAAC
ACAAGAAACCCCAACCGCTGCAAGATGAGTACACAATCTCCATAATGGAAGAACTCCACTGT
CGCTGAATTTTGTGTAACCTTTTGGTTTCTATGATGAAGATTTGATCTACGCACAATCCTTGGT
GGAAATACAAGGCGAGAACCCTCCAGGCGTAGAGCAAGCGTTTTATATTGCGCCCACCGCAGGC
TTCCAGAACCAGACATTCGCCATAGGGACTCAAGATCACCGAATGCTGGATTATGAGGATGTTT
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CGCGGAAGTCAACGTGAACCTGATTAATTGGAACGACGAGGAGCCGATCTTTGAGGAAGACCAG
CTCGTTGTCAAGTTCAAGGAGACTGTACCCAAGGACTATCACGTCGGCAGACTGAGGGCTCACG
ACCGGGACATAGGAGACAGCGTTGTGCATTCCATCTTGGGAAATGCGAATACATTTTTTGAGAAT
CGACGAAGAACTGGCGACATATACGTAGCTATTGATGACGCGTTCGATTATCACAGACAGAAT
GAATTTAACATACAAGTTCGCGCTCAGGACACCATGTCGGAGCCAGAGTCCAGGCATACAGCGG
CTGCTCAGCTGGTCATAGAACTCGAGGACGTCAACAACACACCTCCTACTCTGAGGCTGCCTCG
CGTAAGTCCGTCTGTAGAAGAGAATGTGCCAGAGGGCTTTGAAATCAACCGGGAGATAACCGCC
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AACAGGGGCGTGATACCAATCCAATAGAGTTCCACGGATGCGTGGATATAGAAACCATCTTCCC
AAACCCAGCCGACACCAGAGAGGCTGTGGGGCGAGTGGTAGCGAAGGGGATCCGCCATAACGTG
ACCATCCATTTTGAAGAGTTTGAATTTCTCTACCTCACAGTGAGAGTTCGGGACTTGCACACAG
ATGACGGACGAGATTATGATGAATCTACCTTCACGGTAATAATAATAGATATGAACGACAACCTG
GCCTATCTGGGCGTCTGGTTTCCTGAACCAGACCTTCAGTATTCGGGAGCGATCATCTACCGGC
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TACAGTTGATGAGAATGGTGCAATCGACGCTGATATTCCACCTCGTTGGCACCTCAACTACACG
GTTATAGCCAGCGACAAATGTTCTGAAGAAAATGAAGAGAACTGTCCCCCGGATCCAGTGTTCT
GGGATACTCTGCGCGACAATGTAATTAACATCGTGGACATAAACAACAAGGTCCCGGCAGCAGA
CCTCAGTCGATTCAACGAAACGGTGTACATTTATGAAAATGCACCCGATTTACGAACGTGGTC

Figure 1A

AAGATATACTCCATCGACGAAGACAGAGACGAAATATATCACACGGTGCGGTACCAGATCAATT
ATGCTGTGAACCAACGGCTGCGAGACTTCTTCGCCATAGACCTGGATTTCAGGCCAGGTGTACGT
GGAGAACACCAACAATGAGCTCCTGGATCGGGACAGAGGCGAAGACCAACACAGGATATTCATT
AACCTCATTGACAACCTTTTATAGCGAAGGAGATGGAAATAGAAATGTAAACACTACAGAGGTGC
TGGTGATACTATTAGATGAGAATGACAACGCTCCTGAATTGCCGACTCCAGAAGAGCTGAGTTG
GAGCATTTCCGAGGATTTACAAGAGGGTATAACACTCGATGGCGAAAGCGATGTGATATACGCA
CCGGATATAGACAAAGAGGACACGCCAAACTCTCACGTTGGCTACGCAATCCTGGCCATGACAG
TCACCAATAGAGACCTGGACACTGTTCCGAGACTTCTCAACATGCTGTGCGCTAACAACGTAAAC
CGGATTCCTCCAGACAGCAATGCCCTTTGAGAGGATATTGGGGGACTTACGATATAAGTGTACTG
GCGTTCGACCACGGTATTCCTCAGCAGATATCTCATGAGGTGTATGAATTGGAAATTCGACCTT
ACAATTACAATCCTCCTCAGTTCGTTTTTCTGAATCCGGGACGATTCTACGACTGGCTTTGGA
ACGCGCAGTGGTAAATAATGTTTTGTCACCTTGTAACGGTGACCCGTTAGACAGGATACAAGCA
ATTGACGACGATGGTCTTGATGCTGGCGTGGTGACTTTCGATATTGTTGGAGATGCTGATGCGT
CAAACACTTTCAGAGTAAATAATGATGGCGACAGCTTTGGAACCTTGTTGCTGACACAGGCGCT
TCCTGAGGAAGGCAAGGAATTTGAGGTTACCATCCGGGCTACAGACGGCGGAACAGAACCTCGA
TCATATTCAACAGACTCCACTATAACAGTCCTCTTCGTTCCGACTTTGGGTGATCCGATCTTTC
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CCCACATGCAGAGGACCCTAAGAACAACTCTGCACTGACGACTGTCACGATATTTACTACAGG
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AATCAGAACTAGACCGGGAGACCACTGCTACGCATGTGGTGCAAGTGGCAGCCAGTAATTCGCC
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ACAGGGAACACTACTACCGTTCGTGCAACTCATTCGAAAACGCACAATTGACATATACCATCGA
AGACGGTTCTATGGCGGTGGACTCCACTCTGGAAGCCGTCAAGGACTCGGCGTTCCATCTGAAC
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TCAACGTCATCGCTACTGACCCAGATGAGAAGACAGATACGGCAGAGGTGAAAGTCTACCTCAT
TTCATCCCAAATAGGGTGTCTTCATATTCCTGAACGATGTGGAGACGGTTGAGAGTAACAGA
GACTTTATCGCAGAAACGTTGAGCGTTGGCTTCAACATGACCTGCAATATAGATCAGGTGCTGC
CGGGCACCAACGACGCCGGGGTGATTTCAGGAGGCCATGGCGGAAGTCCATGCTCACTTCATACA
GGATAACATCCCTGTGAGCGCCGACAGTATTGAAGAGCTTCGCAGTGACACTCAGCTGCTGCGC
TCCGTCCAAGGTGTGTTGAACCAACGGCTGTTGGTCCTGAACGACCTGGTGACGGGGGTCAGCC
CTGATCTCGGCACTGCCGGCGTGACAGATCACCATCTATGTGCTAGCCGGGTGTCAGCCATCCT
TGCCTTCCTGTGCCTTATTCTGCTCATCACATTCATCGTGAGGACCCGAGCTCTGAACCGCCGT
TTGGAAGCACTGTGATGACGAAATACGGCTCGGTGGATTTCGGGGCTGAACCGAGTGGGGATAG
CGGCCCCAGGAACCAACAAACACGCCATCGAAGGCTCCAACCCCATCTGGAACGAGCAGATCAA
GGCCCCGGACTTCGATGCCATCAGTGACACATCTGACGACTCTGATCTAATCGGCATCGAGGAT
AGCCTGCAGGGAGACTTAGAAGAGAAAAGGGCAGACAAAGCAGTAGATGCCTTGGTGAAAAAGC
TGAAGAAGAACGATGGAGCCATGGGGGAATACGAATTCAAGGCCTCTCGAGCCTCTAGAACTAT
CGTGAGTCGTATTACGTATATCCAGACATGATGAGATACATTGATGAGTTTGGACAAACCGCAA
CTAGAATGCAGTGAAAAAAATGCTTTATTTGTTGAAATTTGTGATGCTATTGCTTTATTTGGAA
CCATTATAAGCTGCAATAAACAAGTTAACATCATCAATTGCATTCATTTTATGTTTCAGGTTCA
GGGGGAGGTGTGGGAGGCTATCC

Figure 1B

SIG

1	<u>MAGDACILVT VLLTFATSVF</u>	GQETTSSRCY	YMTDAIPREP	KPDDLPLEW
		CR1 →		
51	TGGWTDWPLI PAEPRDDVCI	NGWYPQLTST	SLGTIIHME	EEIEGDVAIA
101	KLNYDGSOTP EIVQPMVIGS	SNLLSPEIRN	ENGAWYLYIT	NRQDYETPTM
		CR2 →		
151	RRYTFDVRVP DETRAARVSL	SIENIDDNDP	IVRVLDACQV	PELGEPR LTD
201	CVYQVSDEEDG RLSIEPMTFR	LTSDREDVQI	FYVEPAHITG	DWFNMQITIG
		CR3 →		
251	ILSALNFESN PLHIFQITAL	DSWPNÑHTVT	VMVQVQNVEH	RPPRWMEIFA
301	VQQFDEMTEQ QFQVRAIDGD	TGIGKAIHYT	LETDEEEDLF	FIETLPGGHD
351	GAIFSTAMID VDRLRRDVFR	LSLVAYKYDÑ	VSFATPTPVV	IIVNDINNKK
	CR4 →			
401	PQPLQDEYTI SIMEETPLSL	NFAELFGFYD	EDLIYAQSLV	EIQGENPPGV
451	EQAFYIAPTA GFQÑQTFAIG	TQDHRMLDYE	DVPFQNIKLK	VIATDRDNTÑ
		CR5 →		
501	FTGVAE NVN LINWNDEEPI	FEEDQLVVKF	KETVPKDYHV	GRLRAHDRDI
551	GDSVVHSILG NANTFLRIDE	ETGDIYVAID	DAFDYHRQNE	FNIQVRAQDT
		CR6 →		
601	MSEPESRHTA AAQLVIELED	VNNTPTLRL	PRVSPSVEEN	VPEGFEINRE
651	ITATDPDTTA YLQFEIDWDT	SFATKQGRDT	NPIEFHGCVD	IETIFPNPAD
701	TREAVGRVVA KGIRHÑVTIH	FEEFEFLYLT	VRVRDLHTDD	GRDYDESTFT
		CR7 →		
751	VIIIDMNDNW PIWASGFLÑQ	TFSIRERSST	GVVIGSVLAT	DIDGPLYNQV
801	RYTIIPQEDT PEGLVQIHV	TGQITVDENG	AIDADIPPRW	HLÑYTVIASD
		CR8 →		
851	KCSEENEENC PPDPVFWDTL	RDNVINIVDI	NNKVPAADLS	RFÑETVYIYE
901	NAPDFTNVVK IYSIDEDRDE	IYHTVRYQIN	YAVNQRLRDF	FAIDLDSGQV
951	YVENTNNELL DRDRGEDQHR	IFINLIDNFY	SEGDGNRNVÑ	TTEVLVILLD
	CR9 →			
1001	ENDNAPELPT PEELSWSISE	DLQEGITLDG	ESDVIYAPDI	DKEDTPNSHV
1051	GYAILAMTVT NRDLDTVPRL	LNMLSPNÑVT	GFLQTAMPLR	GYWGTYDISV
1101	LAFDHGIPQQ ISHEVYELEI	RPYNYNPPQF	VPESGTILR	LALERAVVNN

Figure 2A

CR10 →
 1151 VLSLVNGDPL DRIQAIDDDG LDAGVVTFDI VGDADASNYF RVNNDGDSFG
 1201 TLLLTQALPE EGKEFEVTIR ATDGGTEPRS YSTDSTITVL FVPTLGDPIF
 CR11→ MBF
 1251 QDNTYSVAFF EKEVGLTERF SLPHAEDPKN KLCTDDCHDI YYRIFGGVDY
 1301 EPFDLDPVTN VIFLKSELD R ETTATHVVQV AASNSPTGGG IPLPGSLLTV
 CR12→
 1351 TVT VREADPR PVFEORLYTA GISTSDNINR ELLTVRATHS ENAQLTYTIE
 1401 DGSMVDSTL EAVKDSAFHL NAQTGVLILR IQPTASMQGM FEFNVIATDP
 → MPD
 1451 DEKTDTAEVK VYLISSQNRV SFIFLNDVET VESNRDFIAE TFSVGFÑMTC
 LZ
 1501 NIDQVLPGTN DAGVIQEAMA EVHAHFIQDN IPVSADSIEE LRSDTOLLRS
 1551 VOGVLNORLL VLNDLVTGVS PDLGTAGVOI TIYVLAGLSA ILAFLCLILL
 → CYT
 1601 ITFIVRTRAL NRRLEALSMT KYGSVDSGLN RVGIAAPGTN KHAIEGSNPI
 1651 WNEQIKAPDF DAISDTSDDS DLI GIEDSLQ GDLEEKRADK AVDALVKKLK
 1701 KNDGAMGEYE FKASRASRTI VSRITYIQT.

Figure 2B

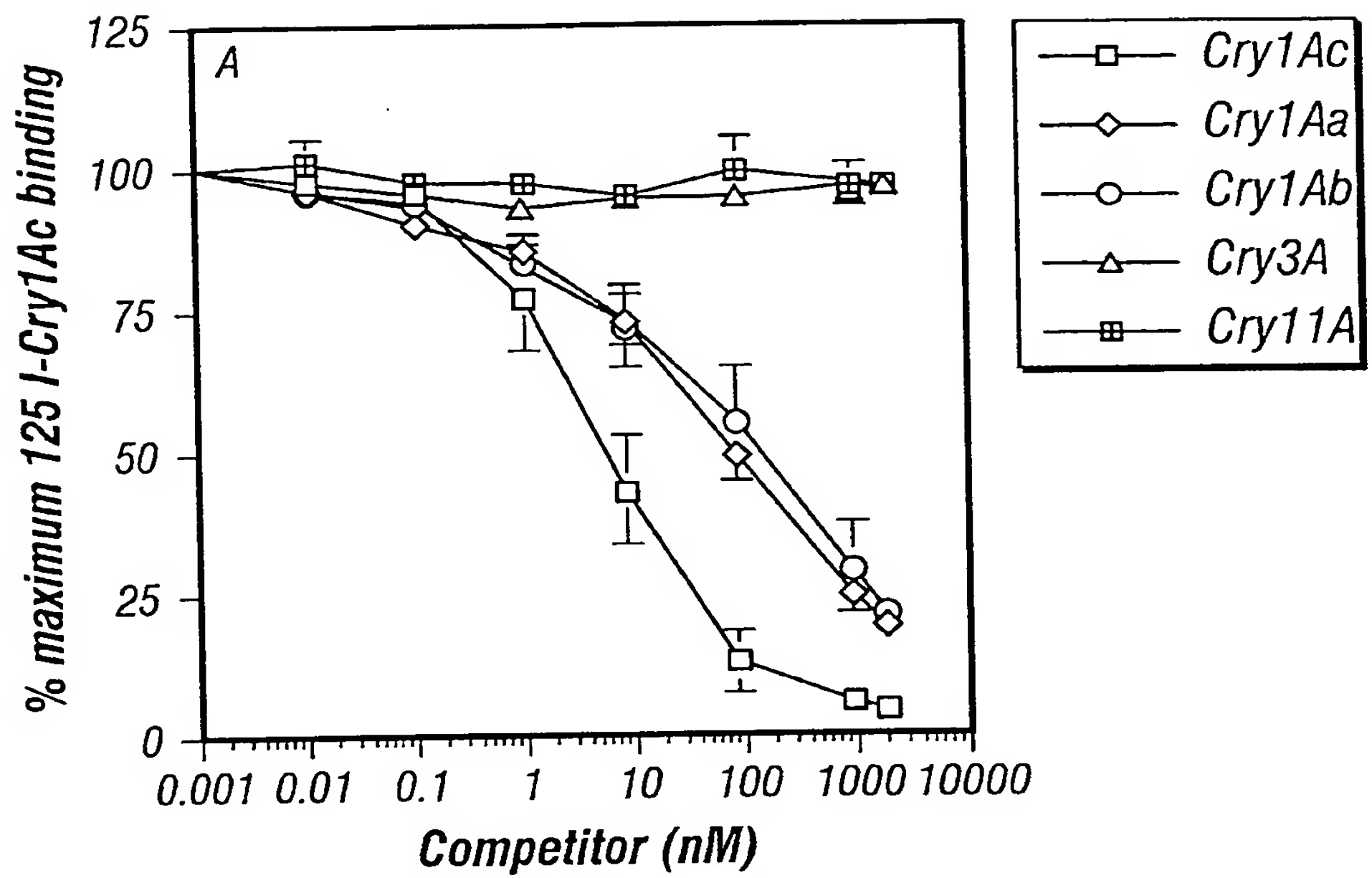


FIG. 3A

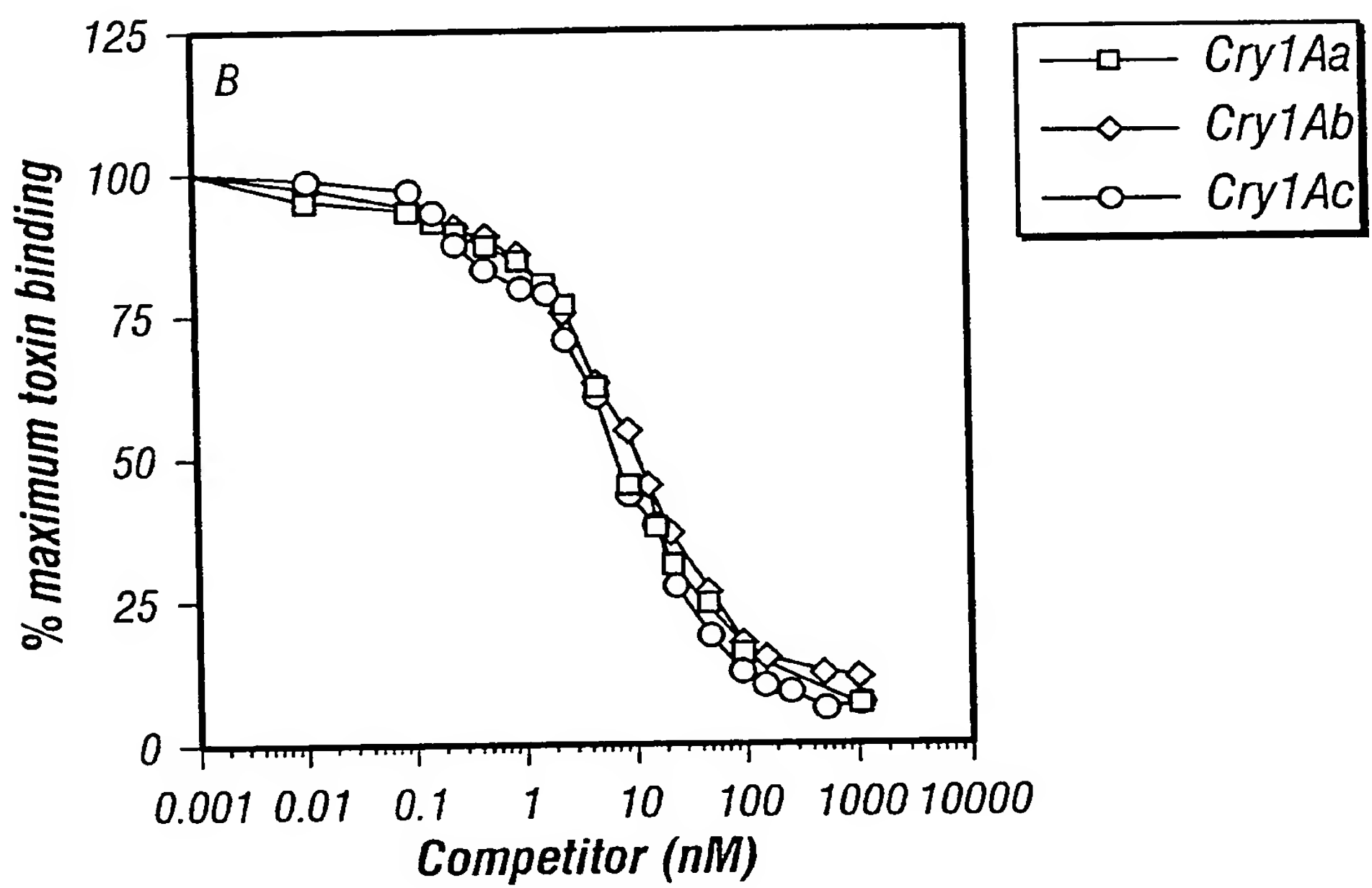


FIG. 3B

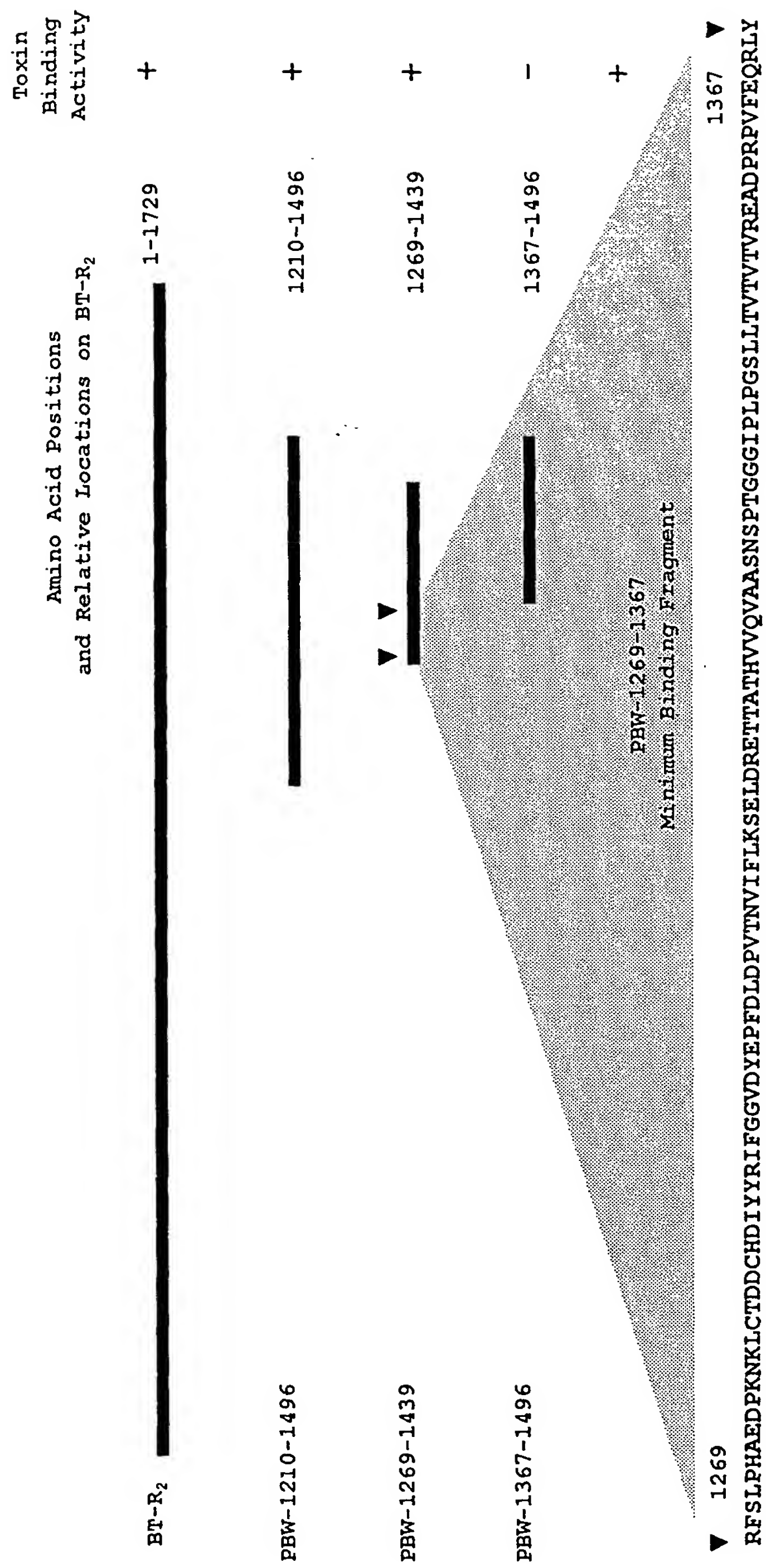


Figure 4

Figure 5A

1 MGV D V R I L A T L L L I Y - A E T V L A Q E - - - R C G F M V - A I P R P B.mori BTR175
1 M A V D V R I - A A F L L V F I A P A V L A Q E - - - R C G Y M T - A I P R L THW BTR1
1 M A G D A C I L V T V L L T F - A T S V F G Q E T T S S R C Y Y M T D A I P R E PBW BTR2

35 P R P D - L P E L D F E G Q T W S Q R P L I P A A D R E D V C M D G - Y H A M T B.mori BTR175
35 P R P D N L P V L N F E G Q T W S Q R P L L P A P E R D D L C M D A - Y H V I T THW BTR1
40 P K P D D L P D L E W T G - G W T D W P L I P A E P R D D V C I N G W Y P Q L T PBW BTR2

73 P T - Y G T Q I I Y M E E E I E G E V P I A K L N Y R G P N V P Y I E P A F L S B.mori BTR175
74 A N - L G T Q V I Y M D E E I E D E I T I A I L N Y N G P S T P F I E L P F L S THW BTR1
79 S T S L G T I I I H M E E E I E G D V A I A K L N Y D G S G T P E I V Q P M V I PBW BTR2

112 G S F N L L V P V I R R I P D S N G E W H L I I T Q R Q D Y E T P G M Q Q Y V F B.mori BTR175
113 G S Y N L L M P V I R R V - - D N G E W H L I I T Q R Q H Y E L P G M Q Q Y M F THW BTR1
119 G S S N L L S P E I R - - - N E N G A W Y L Y I T N R Q D Y E T P T M R R Y T F PBW BTR2

152 N I R I D G E T L V A G V S L L I V N I D D N A P I I Q A L E P C Q V D E L G E B.mori BTR175
151 N V R V D G Q S L V A G V S L A I V N I D D N A P I I Q N F E P C R V P E L G E THW BTR1
156 D V R V P D E T R A A R V S L S I E N I D D N D P I V R V L D A C Q V P E L G E PBW BTR2

192 A R L T E C V Y V V T D A D G R I S T Q F M Q F R I D S D R G D D K I F Y I Q G B.mori BTR175
191 P G L T E C T Y Q V S D A D G R I S T E F M T F R I D S V R G D E E T F Y I E R THW BTR1
196 P R L T D C V Y Q V S D E D G R L S I E P M T F R L T S D R E D V Q I F Y V E P PBW BTR2

232 A N I P G E W I R M T M T V G I N E P L N F E T N P L H I F S V T A L D S L P N B.mori BTR175
231 T N I P N Q W M W L N M T I G V N T S L N F V T S P L H I F S V T A L D S L P N THW BTR1
236 A H I T G D W F N M Q I T I G I L S A L N F E S N P L H I F Q I T A L D S W P N PBW BTR2

272 T H T V T L M V Q V E N V E H R P P R W V E I F A V Q Q F D E K T A Q S F P V R B.mori BTR175
271 T H T V T M M V Q V A N V N S R P P R W L E I F A V Q Q F E E K S Y Q N F T V R THW BTR1
276 N H T V T V M V Q V Q N V E H R P P R W M E I F A V Q Q F D E M T E Q Q F Q V R PBW BTR2

312 A I D G D T G I N K P I H Y R L E T A E E D T F F H I R T I E G G R S G A I L Y B.mori BTR175
311 A I D G D T E I N M P I N Y R L I T N E E D T F F S I E A L P G G K S G A V F L THW BTR1
316 A I D G D T G I G K A I H Y T L E T D E E E D L F F I E T L P G G H D G A I F S PBW BTR2

352 V D P I D R D T L Q R E V F Q L S I I A Y K Y D N E S S A T A A N V V I I V N D B.mori BTR175
351 V S P I D R D T L Q R E V F P L T I V A Y K Y D E E A F S T S T N V V I I V T D THW BTR1
356 T A M I D V D R L R R D V F R L S L V A Y K Y D N V S F A T P T P V V I I V N D PBW BTR2

392 I N D Q R P E P L F K E Y R L N I M E E T A L T L N F D Q E F G F H D R D L G Q B.mori BTR175
391 I N D Q R P E P I H K E Y R L A I M E E T P L T L N F D K E F G F H D K D L G Q THW BTR1
396 I N N K K P Q P L Q D E Y T I S I M E E T P L S L N F A E L F G F Y D E D L - I PBW BTR2

432 N A Q Y T V R L E S D Y P A D A A K A F Y I A P E V G Y Q R Q T F I M G T A N H B.mori BTR175
431 N A Q Y T V R L E S V D P P G A A E A F Y I A P E V G Y Q R Q T F I M G T L N H THW BTR1
435 Y A Q S L V E I Q G E N P P G V E Q A F Y I A P T A G F Q N Q T F A I G T Q D H PBW BTR2

472 K M L D Y E - V P E F Q R I R L R V I A T D M D N E E H V G V A Y V Y I N L I N B.mori BTR175
471 S M L D Y E - V P E F Q S I T I R V V A T D N N D T R H V G V A L V H I D L I N THW BTR1
475 R M L D Y E D V P - F Q N I K L K V I A T D R D N T N F T G V A E V N V N L I N PBW BTR2

511 W N D E E P I F E H S V Q N V S F K E T E G K G F F V A N V R A H D R D I D D R B.mori BTR175
510 W N D E Q P I F E H A V Q T V T F D E T E G E G F F V A K A V A H D R D I G D V THW BTR1
514 W N D E E P I F E E D Q L V V K F K E T V P K D Y H V G R L R A H D R D I G D S PBW BTR2

551 V E H T L M G N A N N Y L S I D K D T G D I H V T Q D D F F D Y H R Q S E L F V B.mori BTR175
550 V E H T L L G N A V N F L T I D K L T G D I R V S A N D S F N Y H R E S E L F V THW BTR1
554 V V H S I L G N A N T F L R I D E E T G D I Y V A I D D A F D Y H R Q N E F N I PBW BTR2

Figure 5B

591 Q V R A D D T L G E P - - F H T A T S Q L L I H L E D I N N T P P T L R L P R G B.mori BTR175
590 Q V R A T D T L G E P - - F H T A T S Q L V I R L N D I N N T P P T L R L P R G THW BTR1
594 Q V R A Q D T M S E P E S R H T A A A Q L V I E L E D V N N T P P T L R L P R V PBW BTR2

629 S P N V E E N V P E G Y I I T S E I R A T D P D T T A E L R F E I D W T T S Y A B.mori BTR175
628 S P Q V E E N V P D G H V I T Q E L R A T D P D T T A D L R F E I N W D T S F A THW BTR1
634 S P S V E E N V P E G F E I N R E I T A T D P D T T A Y L Q F E I D W D T S F A PBW BTR2

669 T K Q G R E A N P I E F H N C V E I E T I Y P A I N N R G S A I G R L V V K K I B.mori BTR175
668 T K Q G R Q A N P D E F R N C V E I E T I F P E I N N R G L A I G R V V A R E I THW BTR1
674 T K Q G R D T N P I E F H G C V D I E T I F P N P A D T R E A V G R V V A K G I PBW BTR2

709 R E N V T I D Y E E F E M L Y L T V R V R D L N T V I G D D Y D E S T F T I T I B.mori BTR175
708 R H N V T I D Y E E F E V L S L T V R V R D L N T V Y G D D Y D E S M L T I T I THW BTR1
714 R H N V T I H F E E F E F L Y L T V R V R D L H T D D G R D Y D E S T F T V I I PBW BTR2

749 I D M N D N P P I W V P G T L E Q S L R V R E M S D A G V V I G T L T A T D I D B.mori BTR175
748 I D M N D N A P V W V E G T L E Q N F R V R E M S A G G L V V G S V R A D D I D THW BTR1
754 I D M N D N W P I W A S G F L N Q T F S I R E R S S T G V V I G S V L A T D I D PBW BTR2

789 G P L Y N Q V R Y T M K A N E G T P E N L L M I D F Y T G Q I T V K T S G A I D B.mori BTR175
788 G P L Y N Q V R Y T I F P R E D T D K D L I M I D F L T G Q I S V N T S G A I D THW BTR1
794 G P L Y N Q V R Y T I I P Q E D T P E G L V Q I H F V T G Q I T V D E N G A I D PBW BTR2

829 A D V P R R Y N L Y Y T V V A T D R C Y A E D P D D C P D D P T Y W E T P G Q V B.mori BTR175
828 A D T P P R F H L Y Y T V V A S D R C S T E D P A D C P P D P T Y W E T E G N I THW BTR1
834 A D I P P R W H L N Y T V I A S D K C S E E N E E N C P P D P V F W D T L R D N PBW BTR2

869 V I Q I I D T N N K I P Q P E T D Q F K A V V Y I Y E D A V S G D E V V K V I G B.mori BTR175
868 T I H I T D T N N K V P Q A E T T K F D T V V Y I Y E N A T H L D E V V T L I A THW BTR1
874 V I N I V D I N N K V P A A D L S R F N E T V Y I Y E N A P D F T N V V K I Y S PBW BTR2

909 S D L D R D D I Y H T I R Y Q I N Y A V N P R L R D F F A V D P D T G R V Y V Y B.mori BTR175
908 S D L D R D E I Y H T V S Y V I N Y A V N P R L M N F F S V N R E T G L V Y V D THW BTR1
914 I D E D R D E I Y H T V R Y Q I N Y A V N Q R L R D F F A I D L D S G Q V Y V - PBW BTR2

949 Y T T D - - - E V L D R D G D E P Q H R I F F N L I D N F F Q Q G D G N R N Q N B.mori BTR175
948 Y E T Q G S G E V L D R D G D E P T H R I F F N L I D N F M G E G E G N R N Q N THW BTR1
953 - - E N T N N E L L D R D R G E D Q H R I F I N L I D N F Y S E G D G N R N V N PBW BTR2

986 D A E V L V V L L D V N D N A P E L P E P D E L S W S V S E S L T K G T R L Q P B.mori BTR175
988 D T E V L V I L L D V N D N A P E L P P P S E L S W T I S E N L K Q G V R L E P THW BTR1
991 T T E V L V I L L D E N D N A P E L P T P E E L S W S I S E D L Q E G I T L D G PBW BTR2

1026 H - - - I Y A P D R D E P D T D N S R V G Y A I I S L T I A N R E I E - V P E L B.mori BTR175
1028 H - - - I F A P D R D E P D T D N S R V G Y E I L N L S - T E R D I E - V P E L THW BTR1
1031 E S D V I Y A P D I D K E D T P N S H V G Y A I L A M T V T N R D L D T V P R L PBW BTR2

1062 F T M I Q I Q N V T G E L E T A M D L R G Y W G T Y A I H I K A Y D H G I P Q Q B.mori BTR175
1063 F V M I Q I A N V T G E L E T A M D L K G Y W G T Y A I H I R A F D H G I P Q - THW BTR1
1071 L N M L S P N N V T G F L Q T A M P L R G Y W G T Y D I S V L A F D H G I P Q Q PBW BTR2

1102 M S - N E T Y E L V I R P Y N F H A P V F V F P K H G A T L R L A R E R A V V N B.mori BTR175
1102 M S M N E T Y E L I I H P F N Y Y A P E F V F P T N D A V I R L A R E R A V I N THW BTR1
1111 I S - H E V Y E L E I R P Y N Y N P P Q F V F P E S G T I L R L A L E R A V V N PBW BTR2

1141 G L L A T V D G E F L N R I V A T D E D G L H A G Q V A F E V V G D T E A V D Y B.mori BTR175
1142 G V L A T V N G E F L E R I S A T D P D G L H A G V V T F Q V V G D E E S Q R Y THW BTR1
1150 N V L S L V N G D P L D R I Q A I D D D G L D A G V V T F D I V G D A D A S N Y PBW BTR2

Figure 5C

1181	F	H	I	V	N	D	G	E	N	S	G	T	L	M	L	K	Q	L	F	P	E	D	I	R	E	F	E	V	T	I	R	A	T	D	G	G	T	E	P	R	B.mori	BTR175
1182	F	Q	V	V	N	D	G	E	N	L	G	S	L	R	L	L	Q	A	V	P	E	E	I	R	E	F	R	I	T	I	R	A	T	D	Q	G	T	D	P	G	THW	BTR1
1190	F	R	V	N	N	D	G	D	S	F	G	T	L	L	L	T	Q	A	L	P	E	E	G	K	E	F	E	V	T	I	R	A	T	D	G	G	T	E	P	R	PBW	BTR2
1221	P	L	S	T	D	C	T	F	S	V	V	F	V	P	I	Q	G	E	P	I	F	P	T	S	T	H	T	V	A	F	I	E	K	E	A	G	L	L	E	R	B.mori	BTR175
1222	P	L	S	T	D	M	T	F	R	V	V	F	V	P	T	Q	G	E	P	R	F	A	S	S	E	H	A	V	A	F	I	E	K	S	A	G	M	E	E	S	THW	BTR1
1230	S	Y	S	T	D	S	T	I	T	V	L	F	V	P	T	L	G	D	P	I	F	Q	D	N	T	Y	S	V	A	F	F	E	K	E	V	G	L	T	E	R	PBW	BTR2
1261	H	E	L	P	R	A	E	D	R	K	N	H	L	C	S	D	D	C	H	N	I	Y	Y	R	I	I	D	G	N	N	D	G	H	F	G	L	D	E	T	T	B.mori	BTR175
1262	H	Q	L	P	L	A	Q	D	I	K	N	H	L	C	E	D	D	C	H	S	I	Y	Y	R	I	I	D	G	N	S	E	G	H	F	G	L	D	P	V	R	THW	BTR1
1270	F	S	L	P	H	A	E	D	P	K	N	K	L	C	T	D	D	C	H	D	I	Y	Y	R	I	F	G	G	V	D	Y	E	P	F	D	L	D	P	V	T	PBW	BTR2
1301	N	V	L	F	L	V	K	E	L	D	R	S	V	S	E	T	Y	T	L	T	I	A	A	S	N	S	P	T	G	G	-	I	A	L	T	S	T	I	-	T	B.mori	BTR175
1302	N	R	L	F	L	K	K	E	L	I	R	E	Q	S	A	S	H	T	L	Q	V	A	A	S	N	S	P	D	G	G	-	I	P	L	P	A	S	I	L	T	THW	BTR1
1310	N	V	I	F	L	K	S	E	L	D	R	E	T	T	A	T	H	V	V	Q	V	A	A	S	N	S	P	T	G	G	G	I	P	L	P	G	S	L	L	T	PBW	BTR2
1339	I	T	V	N	V	R	E	A	D	P	Q	P	Y	F	V	R	D	L	Y	T	A	G	I	S	T	S	D	S	I	N	R	E	L	L	I	L	Q	A	T	H	B.mori	BTR175
1341	V	T	V	T	V	R	E	A	D	P	R	P	V	F	V	R	E	L	Y	T	A	G	I	S	T	A	D	S	I	G	R	E	L	L	R	L	H	A	T	Q	THW	BTR1
1350	V	T	V	T	V	R	E	A	D	P	R	P	V	F	E	Q	R	L	Y	T	A	G	I	S	T	S	D	N	I	N	R	E	L	L	T	V	R	A	T	H	PBW	BTR2
1379	S	E	N	A	P	I	I	Y	T	I	D	W	S	T	M	V	T	D	P	T	L	A	S	V	R	E	T	A	F	I	L	N	P	H	T	G	V	L	T	L	B.mori	BTR175
1381	S	E	G	S	A	I	T	Y	A	I	D	Y	D	T	M	V	V	D	P	S	L	E	A	V	R	Q	S	A	F	V	L	N	A	Q	T	G	V	L	T	L	THW	BTR1
1390	S	E	N	A	Q	L	T	Y	T	I	E	D	G	S	M	A	V	D	S	T	L	E	A	V	K	D	S	A														